

**Air Pollution Control District
Jefferson County, KY
15 January 2000**

TITLE V PERMIT SUMMARY

Company: Louisville Medical Center Steam Plant

Address: 235 Abraham Flexner Way Louisville, Kentucky 40202

Date Received: 15 December 1994

Date Admin Complete: 30 May 1995

Date of Draft Permit: 21 November 1999

Date of Proposed Permit: 21 November 1999

District Engineer: Stephen Taylor

Permit #: 89-97-TV

Plant ID: 0148

SIC Code: 4922

NAICS: 62211

AFS: 00148

Introduction:

This permit is to be issued according to: (1) District Regulation 2.16, (2) Title 40 of the Code of Federal Regulations Part 70, and (3) Title V of the Clean Air Act Amendments of 1990. Its purpose is to identify and consolidate existing District and Federal air requirements applicable to Louisville Medical Center Steam Plant and to provide practical methods of determining continued compliance with these requirements. Louisville Medical Center Steam Plant generates steam for heating and air conditioning systems for various hospitals.

Jefferson County is classified as of the date above as an attainment area for lead (Pb), sulfur dioxide (SO₂), nitrogen oxides (NO_x), carbon monoxide (CO), particulate matter (PM), and particulate matter less than 10 microns (PM₁₀); unclassifiable for particulate matter less than 2.5 microns (PM_{2.5}); and is a moderate non-attainment area for ozone.

Application Type/Permit Activity:

☒ Initial Issuance

☐ Permit Revision

☐ Administrative

☐ Minor

☐ Significant

☐ Permit Renewal

Compliance Summary:

[X] Compliance certification signed [] Compliance schedule included
[] Source is out of compliance

I. Source Description

1. **Class I Area Impacts:** This plant is not located in or near a Class I area.
2. **Product Description:** Steam Generation
3. **Overall Process Description:** Six coal fired boilers that produce steam for heating and air conditioning systems, one of the six is able to combust natural gas.
4. **Site Determination:** There are no other facilities which are contiguous or adjacent and under common control.
5. **Emission Unit Summary:**
 - A. U1-Three boilers, rated heat input capacity of 56 MM Btu/hr each
 - B. U2-Three boilers, one rated at 100 MM Btu/hr and two rated at 102 MM Btu/hr
6. **Fugitive Sources:** None
7. **Title V Major Source Status by Pollutant:**

Pollutant	Actual Emissions (tpy) 1998 Data	Major Source Status
CO	81.97	Yes
NO _x	144.64	Yes
SO ₂	393.30	Yes
PM	22.33	Yes
VOC	1.36	No
Single HAP >1 tpy	Negligible	No
Total HAPs	Negligible	No

8. Applicable Requirements:

<input type="checkbox"/> PSD	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP	<input type="checkbox"/> Other
<input type="checkbox"/> NSR	<input type="checkbox"/> NESHAPS	<input checked="" type="checkbox"/> District-Origin	<input type="checkbox"/> MACT

II. Regulatory Analysis

1. Emission and Operating Caps: None

2. Compliance Status: Signed compliance certification

3. Operational Flexibility: No alternative scenarios requested

4. Testing Requirements: Opacity tests, NO_x and PM tests, and monthly coal analysis

5. Monitoring, Recordkeeping and Reporting Requirements: Specific monitoring, recordkeeping, and reporting requirements are specified in the emission unit section of the permit

6. Periodic Monitoring:

A. Opacity: The daily visible emissions surveys are adequate for periodic monitoring to demonstrate compliance with the opacity standard. The source is required to perform a Method 9 at points where visible emissions are observed. The periodic surveys coupled with Method 9 tests, if necessary, are adequate to demonstrate compliance with the opacity standards.

B. Particulate Matter: The records, that show fuel usage and hours of operation along with the purchase records, and the stack tests are adequate to demonstrate compliance with the PM emission standards.

C. Sulfur Dioxide: The records, that show fuel usage and hours of operation along with the purchase records, are adequate to demonstrate compliance with the SO₂ emission standards.

D. Nitrogen Oxides: The company shall test annually to demonstrate compliance with the NO_x emission standards as specified in the NO_x RACT plan.

7. Off Permit Documents

The District considers an “off-permit document” as a document on which a source’s compliance with given regulation(s) is contingent or which contains regulatory requirement(s), but is only referenced in a source’s Title V Operating Permit. The designation “off-permit document” shall be made at the District’s discretion, and may include, but not be limited to, documents such as Regulation 1.05 VOC compliance plans, Preventative Maintenance Program (PMP), Management Of Change System (MOCS); or other documents which are too voluminous to place in the permit.

There are no off permit documents associated with this permit.

III. Other Requirements

1. **Temporary Sources:** None
2. **Short Term Activities:** None
3. **Compliance Schedule/Progress Reports:** None
4. **Emissions Trading:** None
5. **Acid Rain Requirements:** Not applicable
6. **Prevention of Accidental Releases 112(r):** The source does not manufacture, process, use, store, or otherwise handle one or more of the regulated substances listed in 40 CFR Part 68 Subpart F and District Regulation 5.15 in a quantity in excess of the corresponding specified threshold amount.
7. **Stratospheric Ozone Protection Requirements:** Not applicable
8. **Insignificant Activities:**

Description	Basis	Quantity
Water Bath Fly Ash Hopper	No regulated emissions	1
Emergency Generator (IC engine)	Reg 2.02 sec 2.2	1
#2 Fuel Oil Storage Tank (2000 gal)	Reg 2.02 sec 2.3.9.2	1